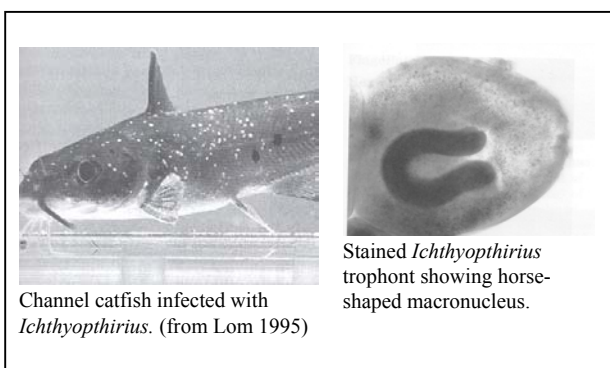
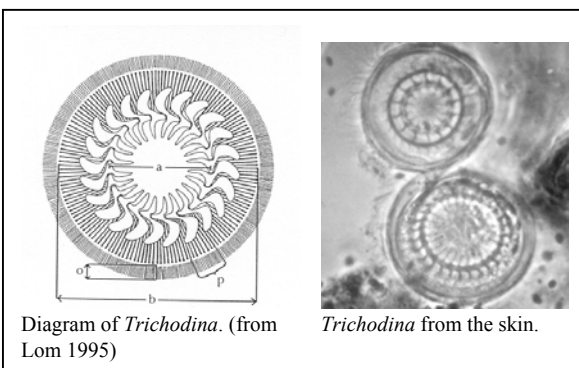
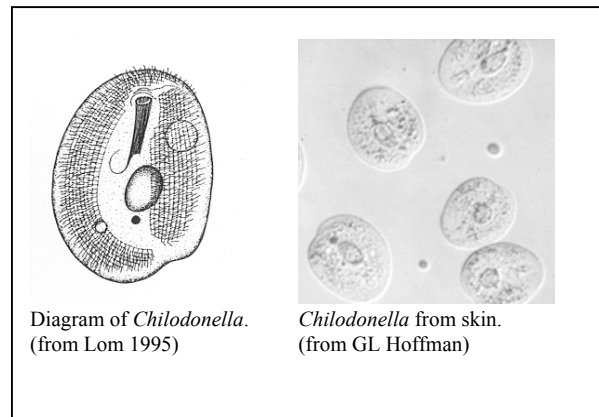
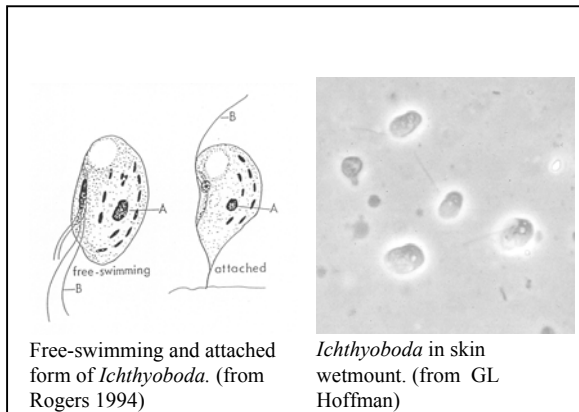
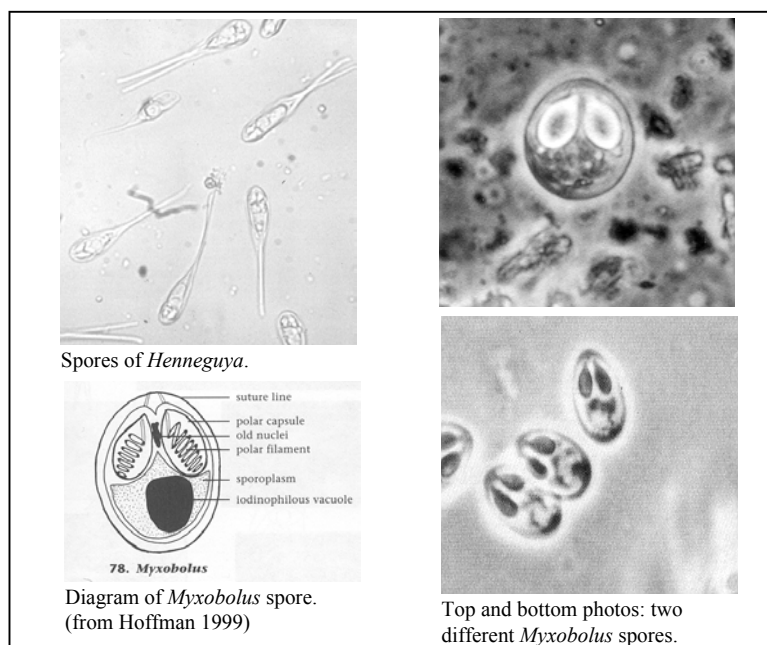


Appendix B

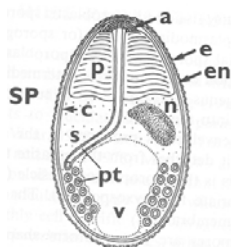
EXTERNAL PROTOZOANS



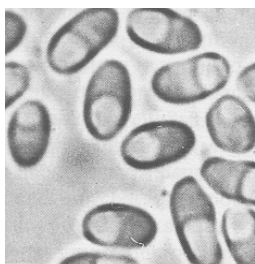
MYXOSPOREANS



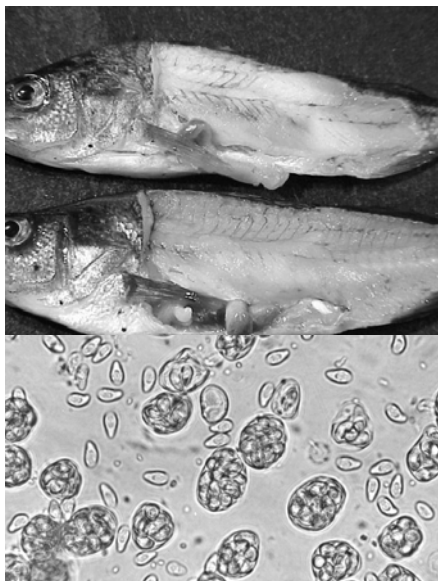
MICROSPORANS



Microspora spore. (from Dykova 1995)

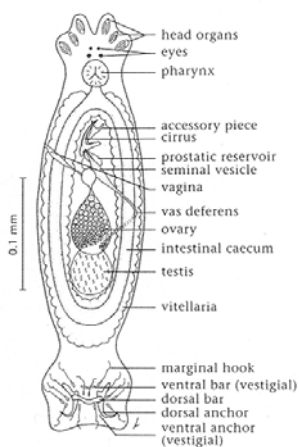


Spores of *Glugea*. (from Woo 1995)



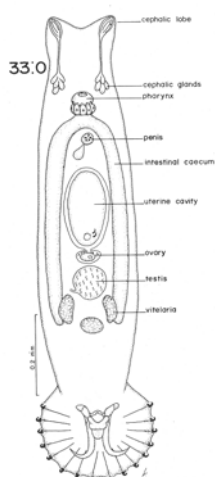
Heterosporis. Top photo: large white cysts in musculature of yellow perch (infected fish above, uninfected below). Bottom photo: spores and vesicles. (from D.R. Sutherland)

MONOGENES



183. *Dactylogyrus*

Line drawing of *Dactylogyrus*. (from Hoffman 1999)

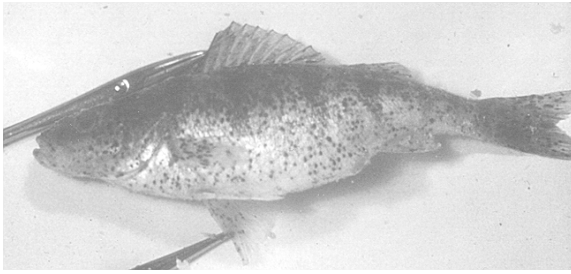


Line drawing of *Gyrodactylus*. (from Hoffman 1999)



Gyrodactylus in skin wetmount. (from A.J. Mitchell)

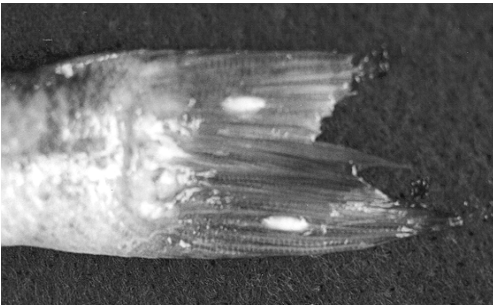
DIGENETIC TREMATODES



Yellow perch infected with metacercariae of black grubs (*Neascus*). (from Michigan DNR)



Metacercarial cysts of white grub (*Posthodiplostomum*).



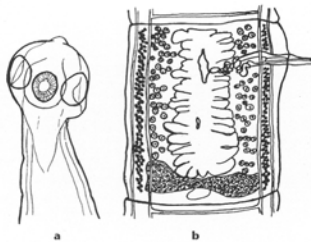
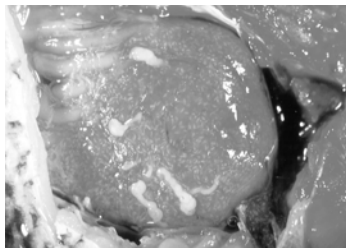
Yellow grub (*Clinostomum*). Top photo: metacercarial cysts on caudal fin. Photo on right: acetocarmine stained wholemount (w.m.).



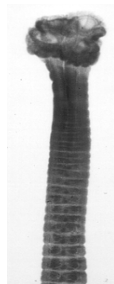
Adult *Allocreadium* (stained w.m.).



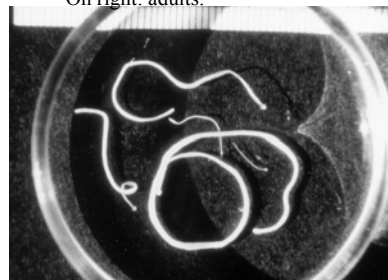
Adult *Alloglossium* (stained w.m.).



Proteocephalus or Bass tapeworm. Top photo: larval or metacercariae on the liver of bass. Bottom: diagram of the adult, scolex and proglottid. (from Hoffman 1999)



Corallobothrium (Catfish tapeworm) adults. On left: stained wholemount (note fleshy appendages surrounding suckers). On right: adults.

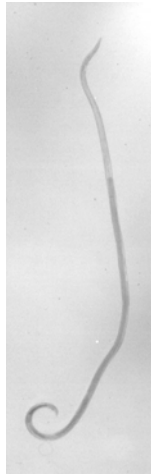


Bothriocephalus acheilognathi or Asian Tapeworm. Note arrow-shaped scolices.

NEMATODES



Cystidicola (swim bladder nematode) from a bloater chub.

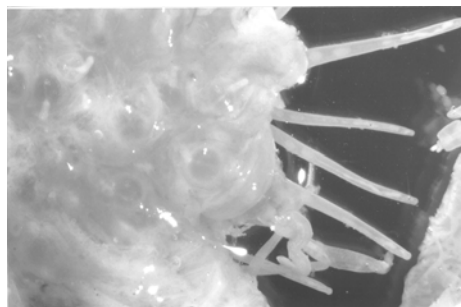
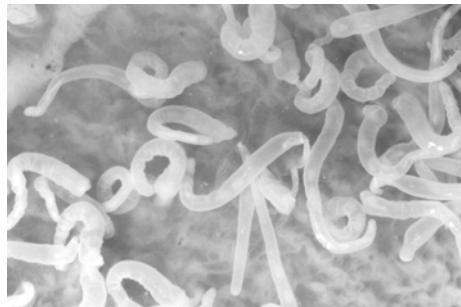
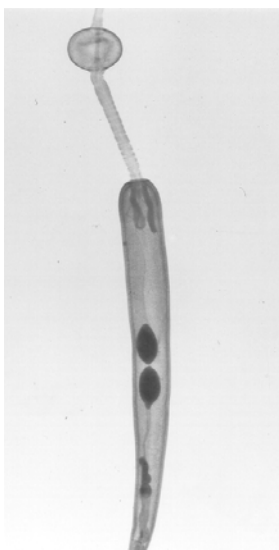


Capillaria from intestine of lake trout.

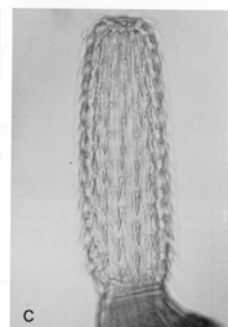
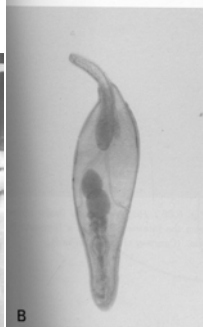


Philometra in fascia of cheeks of a white sucker. (from Ribelin and Migaki 1975)

ACANTHOCEPHALANS



Pomphorhynchus bulbocolli. Left: wholemount, acetocarmine stained (note large bulb below proboscis). Top: Live worms, *in situ*. Bottom: Attached worms with bulb protruding through intestinal wall.

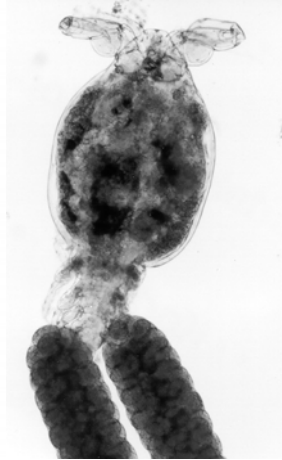


Metechinorhynchus salmonis. A: adults, *in situ*. B: wholemount, acetocarmine stained. C: proboscis armed with spines.

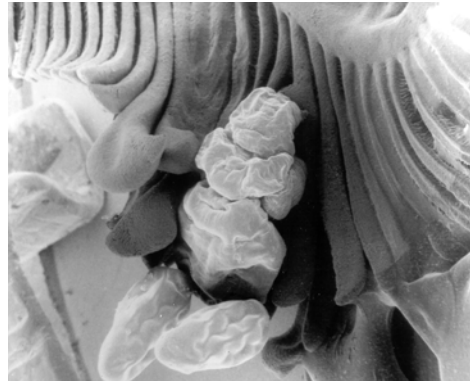
CRUSTACEANS



The fish louse, *Argulus* (acetocarmine stained).



Ergasilus from the gills of a deepwater sculpin.



Scanning electron micrograph of *Salmincola*, the gill maggot.



The anchor worm, *Lernaea*. Top: adults attached to ventral surface of a channel catfish. Note egg sacs of copepods. Right: Stained wholemount preparation.

